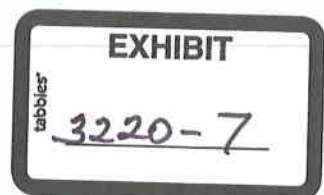


Silage Storage and Associated Issues with Leachate Management:

- Photos showing ponding of leachate from silage piles at several dairies in NM
- Analysis of sample collected February 3, 2005, from the ponding around silage storage area.





Greenfield Dairy, DP-633 – Inspection February 3, 2005. Leachate and ponding on the ground around the silage pile.



Greenfield Dairy, DP-633 – Inspection February 3, 2005. Leachate and ponding on the ground around the silage pile. Sample collected analyzed for TKN and $\text{NO}_3\text{-N}$



Greenfield Dairy, DP-633 – Inspection December 3, 2008. Leachate and ponding on the ground around the silage pile.



SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700
Albuquerque, NM 87196-4700

700 Camino de Salud, NE
(505) 841-2500



WATER CHEMISTRY SECTION (505) 841-2555

Sample Collection Date: 2/3/2005 Time: 13:15 By: KIRBY

Sampling Location: SILAGE LEACHATE

Sample Type: ww

This Copy of Report for:

NMED Ground Water Section
GW Protection and Remediation Bur.
P.O. Box 26110
Santa Fe, NM 87502

SLD No.: WC-200500231

Request ID No.: 2345049

Received at SLD: 2/4/2005

User: 55410

Subm: 541

WSS #: 0

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Water Chemistry Section - File Copy

ANALYTICAL RESULTS

Analyte	Result	Units	Analysis Date	EPA Method No.	Minimum Level	Dilution Factor	Sample Det. Limit	Analyst	Data Qualifier
Nitrate + Nitrite	0.76	mG/L	2/9/2005	353.2	0.1	1	0.1	Vince Speshock	
TKN	2330	mG/L	2/9/2005	351.2	0.1	500	50	Jeff Robb	

DP 633
Greenfield Dairy

Laboratory Comments:

Reviewed by Chris Dean

Supervisor, Water Chemistry Section

Date Printed: 18-Feb-05

Data Qualifier Codes and Definitions

A - See comments section below
D - Spike recovery <80% or >120%
F - Matrix Interference suspected
G - Inconsistent results, suggest re-sampling
H - Sample analyzed in duplicate
J - Estimated quantity only, analyte was detected at a level below which an accurate Quantitation can be given

K - Holding time exceeded at laboratory
L - Result for this analyte equals or exceeds EPA MCL
M - Result for this analyte equals or exceeds EPA action level
N - Insufficient sample to verify results
P - Sample rejected/ voided at laboratory
Q - Sample submitted to laboratory past holding time
V - External control value <80% or >120% of theoretical value
W - Ion balance criteria exceeded
X - Daily control value <80% or >120% of theoretical value